# Exhibit B

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         IN THE UNITED STATES DISTRICT COURT FOR THE
2
                   NORTHERN DISTRICT OF OKLAHOMA
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4
     W. A. DREW EDMONDSON, in his )
5
     capacity as ATTORNEY GENERAL )
     OF THE STATE OF OKLAHOMA and )
6
     OKLAHOMA SECRETARY OF THE
     ENVIRONMENT C. MILES TOLBERT,)
7
     in his capacity as the
     TRUSTEE FOR NATURAL RESOURCES)
8
     FOR THE STATE OF OKLAHOMA,
9
                  Plaintiff,
10
                                    )4:05-CV-00329-TCK-SAJ
     VS.
11
     TYSON FOODS, INC., et al,
12
                  Defendants.
13
14
                       VOLUME I OF THE VIDEOTAPED
15
     DEPOSITION OF GLENN JOHNSON, PhD, produced as a
16
     witness on behalf of the Plaintiff in the above
17
     styled and numbered cause, taken on the 24th day of
18
     February, 2009, in the City of Tulsa, County of
19
     Tulsa, State of Oklahoma, before me, Lisa A.
20
     Steinmeyer, a Certified Shorthand Reporter, duly
21
     certified under and by virtue of the laws of the
22
     State of Oklahoma.
23
24
25
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1 2	APPEAI	R A N C E S
3		
3	l e e e e e e e e e e e e e e e e e e e	Mr. David Page
4		Attorney at Law 502 West 6th Street Tulsa, OK 74119
5		idisa, ok /4119
6	FOR TYSON FOODS:	Mr. Robert George
7	1	Attorney at Law 2210 West Oaklawn Drive
	27	Springdale, AR 72762
8	For greater	
9	Į Ž	Mr. Kerry Lewis Attorney at Law
10	- Example 1 - Example 2 - Exam	100 West 5th Street
2351	***	Suite 400
11		Tulsa, OK 74103
1.0	are and a second a	-and-
12	1	Ms. Melissa Collins
10		Attorney at Law
13	Y STATE OF THE STA	1700 Lincoln Street Suite 3200
14		Denver, CO 80203
15		30
	FOR SIMMONS FOODS:	Mr. John Elrod
16	4	Attorney at Law
		211 East Dickson Street
17	N Company of the Comp	Fayetteville, AR 72701
18		
	FOR PETERSON FARMS:	Mr. Scott McDaniel
19		Attorney at Law
		320 South Boston
20		Suite 700
		Tulsa, OK 74103
21		
22	FOR GEORGE'S:	Mr. James Graves
		Attorney at Law
23		221 North College
		Fayetteville, AR 72701
24		
25	ALSO PRESENT:	Dr. Roger Olsen
	I	

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1	plots for the missing versus no missing values look	
2	very similar?	
3	A I'd have to go back and look at the scree	
4	plots.	
5	Q Let me help you out there. I'll hand you	05:37PM
6	exhibit I'll hand you what's been marked as	
7	Exhibit 12, and I'll represent to you, sir, that	
8	this is a Table 11 6.11-7A from Dr. Olsen's	
9	report, and we've attached to it the sensitivity	
10	runs that we've been discussing both with and	05:38PM
11	without missing data and corrected for the unlogged	
12	transformation. So I think the scree plots we were	
13	focusing on may be the last four pages of this	
14	exhibit.	
15	A Could I get a clarification, please?	05:38PM
16	Q Excuse me. The PC they're PC plots. I	
17	think I said scree.	
18	A You did say scree plots. That was my first	
19	question. This is not a scree plot.	
20	Q Yeah. This is I misspoke.	05:38PM
21	A My second question is, you just represented	
22	that this graph has now has the log transform	
23	undone correctly, but these look exactly like the	
24	ones in his original report.	
25	Q Well, there's two others that follow.	05:38PM

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1	A Oh, okay.	
2	Q There's a total of four PC plots.	
3	MR. GEORGE: Just so I'm clear, David, the	
4	last two pages of Exhibit 12, the cover of which is	
5	Dr. Olsen's expert report that was originally	05:39PM
6	submitted in this matter, are work product that he	
7	has produced in connection with the report that was	
8	delivered in February; is that right?	
9	MR. PAGE: The last two pages, yes.	
10	MR. GEORGE: All right. Do you have any	05:39PM
11	objection, just for clarity, to severing these last	
12	two pages so that they're not really part of the	
13	report to which they attached; right?	
14	MR. PAGE: Well, this is a collection of	
15	information that came from Dr. Olsen's report. The	05:39PM
16	last two pages would be errata to that report making	
17	the changes to the third and fourth excuse me	
18	yeah, the third and fourth to the last pages.	
19	MR. GEORGE: And this is a product of my	
20	poor memory, David. Were the last two pages	05:39PM
21	actually part of the supplemental or errata report	
22	or declaration?	
23	MR. PAGE: Yes.	
24	MR. GEORGE: They're actually attached to	
25	that declaration?	05:40PM

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1	MR. PAGE: Yes.	
2	MR. GEORGE: Okay. Well, I'm going to have	
3	the same objection I had earlier to the last two	
4	pages of Exhibit 12, which is to the extent this is	
5	the product of analysis that is the subject of a 05:40PM	1
6	report that is untimely for which the State has	
7	neither sought nor obtained leave to submit in this	
8	matter, we object insofar as you're trying to get	
9	those opinions into the Record in this case.	
10	MR. PAGE: Okay. Robert, let me make a 05:40PM	1
11	correction. The last page of this report, SW15, was	
12	not part of the errata.	
13	MR. GEORGE: Okay. So then I guess I need	
14	to know where SW where the last page came from.	
15	MR. PAGE: It was part of the analysis that 05:40PM	1
16	was done by Dr. Olsen.	
17	MS. COLLINS: You're saying these are from	
18	the February 10th?	
19	MR. PAGE: Except for the last page that	
20	was not attached. 05:40PM	1
21	MR. GRAVES: When was the analysis on the	
22	last page done?	
23	MR. PAGE: In February, January or	
24	February.	
25	MR. GRAVES: But it's not been submitted as 05:40PM	1

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1	part of any errata or other declaration?	
2	MR. PAGE: No.	
3	MR. GEORGE: Same objection.	
4	Q Let's look at the fourth and third to the last	
5	pages.	05:41PM
6	A Fourth and third to the last?	
7	Q Yeah. I think they're numbered 1 and 2 at the	
8	bottom right-hand corner.	
9	MR. GEORGE: By the way, where are Pages 3	
10	and 4?	05:41PM
11	A Okay.	
12	MR. GEORGE: It goes 1, 2, 5, 6? Don't	
13	know?	
14	MR. PAGE: No.	
15	A If that's the way, I have no 3 or 4. So I do	05:41PM
16	have 1 and 2.	
17	Q Okay. Could you compare those two PC plots	
18	and tell me whether or not the patterns are similar?	
19	A Yes. As I just testified to, the general	
20	shape of the data cloud for SW3 and SW15 is similar	05:41PM
21	because that general shape of the data cloud is	
22	being driven by these four edge of field spread	
23	samples and the extreme samples here. So the	
24	general shape, as the eye looks at it, is similar	
25	with this L-shaped data cloud, and the other part of	05:42PM

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1	my previous response is also very clear on here. If	
2	you start to if you compare the figure from SW3	
3	on the page that has a 1 at the bottom to the figure	
4	in SW15, you can see that there that the samples	
5	that are missing from the second page are 05:42PM	
6	preferentially right in this area. Now	
7	Q Of the area where it's very close to	
8	A Well, it's not close to 1.3 here because this	
9	one does not do that final little translation that	
10	Dr. Olsen did to get rid of negative values. So 05:42PM	
11	this actually is not a scores plot as shown in the	
12	report because he did the translation so that there	
13	would be no scores, either PC1 or PC2, that would be	
14	less than zero. So the 1.3 line on this graph is	
15	irrelevant because the translation has not been done 05:43PM	
16	or the 1.3 threshold is irrelevant.	
17	Q When you compare the runs for where they have	
18	missing and non-missing data, the general patterns	
19	are the same, are they not, for the PC plots?	
20	A The general shape of the data cloud looks 05:43PM	
21	similar. The general pattern of the samples right	
22	in this area of highest density, which is around	
23	once you translated them, it's around this critical	
24	region of the 1.3 threshold is different. A lot of	
25	the missing data falls in that area. 05:43PM	

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1	Q If we had the data for the missing values,	
2	would the PC1 scores be higher?	
3	MR. GEORGE: Object to form.	
4	A All others things being equal, I mean	
5	Q Yeah, yeah.	05:44PM
6	A I don't think adding those missing data would	
7	all of a sudden make this principal components	
8	analysis have a good fit for two principal	
9	components, so at least on that respect, no.	
10	Q But it raised the PC scores?	05:44PM
11	MR. GEORGE: Object to form.	
12	A Would it raise them?	
13	Q Yes.	
14	A No, it would not raise the scores. It would	
15	change the scores because you'd be calculating	05:44PM
16	principal components with real data instead of	
17	assumed data, but I doubt they would all go higher.	
18	MS. COLLINS: I'm going to make a late	
19	objection to Exhibit 11 and the characterization of	
20	it because Pages 5 and 6 have diagrams that are not	05:44PM
21	included in the February 10th, 2009 Olsen	
22	declaration.	
23	MR. GEORGE: And I'm going to move to	
24	strike them because they haven't even asked a	
25	question about it.	05:44PM

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1	MR. PAGE: Well, I'll go ahead and ask a	
2	question about it then, Robert.	
3	Q Would you review the last two pages, and I'll	
4	represent to you that this will be PC plots.	· ·
5	MR. GRAVES: David, before you ask the	05:45PM
6	questions, can I also ask whether those last two	
7	pages are I think you represented at least one of	
8	them has not been made a part of any errata or	
9	declaration. Are you claiming that it is errata	
10	material or is it just additional analysis that Dr.	05:45PM
11	Olsen has done?	
12	MR. PAGE: I'm using this to cross examine	
13	the witness.	
14	MR. GRAVE: I'm asking what they are,	
15	though.	05:45PM
16	MR. PAGE: Well, they haven't been attached	
17	to any errata.	
18	MR. GRAVES: But what are you claiming that	
19	they are?	
20	MR. PAGE: Well, like I represented, the	05:45PM
21	last two pages are the PCA analysis with the	
22	correction on the transformation. The next to the	
23	last page is in the errata; the last page is not.	
24	MR. GRAVES: The last page is not in the	
25	errata?	05:46PM

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7.6		
1	MR. PAGE: Which is the sensitivity	
2	analysis.	
3	MS. COLLINS: And, again, I object to that	
4	characterization because neither Page 5 or 6 are in	
5	the	05:46PM
6	MR. GRAVES: And I'll move to strike it as	
7	well because there's an order in the case about	
8	supplemental expert opinions.	
9	Q Dr. Johnson, do you remember the question?	
10	A No. Sorry.	05:46PM
11	MR. GEORGE: Do you see them I think was	
12	the question.	
13	A Yes, I've seen them if that was the question.	
14	MR. PAGE: That's probably about as far as	
15	I got.	05:46PM
16	Q Would you tell me whether or not the patterns	
17	for those two pages are similar?	
18	MR. GEORGE: Object to form.	
19	A Again, the shapes of the two data clouds in	
20	terms of the general outline is the same. The	05:46PM
21	density of dots on the second figure is obviously	
22	much lower because the missing data have been	
23	removed.	
24	With regard to my other discussion with regard	
25	to the scores plots that were produced in the	05:46PM